

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE 03/04191

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01F1/00 C30B29/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KAMBER N Y ET AL: "Threshold effect of incident light intensity for the resistance against the photorefractive light-induced scattering in doped lithium niobate crystals" OPTICS COMMUNICATIONS, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 176, no. 1-3, March 2000 (2000-03), pages 91-96, XP004191573 ISSN: 0030-4018 page 93 - page 94 ----- -/--	1,9,10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

24 May 2004

Date of mailing of the international search report

02/06/2004

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PCT/DE 03/04191

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BUSE K ET AL: "Development of thermally fixed holograms in photorefractive lithium-niobate crystals without light" OPTICAL MATERIALS, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 18, no. 1, October 2001 (2001-10), pages 17-18, XP004321030 ISSN: 0925-3467	
A	GALAMBOS L ET AL: "Doubly doped stoichiometric and congruent lithium niobate for holographic data storage" JOURNAL OF CRYSTAL GROWTH, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 229, no. 1-4, July 2001 (2001-07), pages 228-232, XP004251062 ISSN: 0022-0248	
A	PATENT ABSTRACTS OF JAPAN vol. 0174, no. 52 (C-1099), 19 August 1993 (1993-08-19) & JP 5 105594 A (HITACHI METALS LTD), 27 April 1993 (1993-04-27) abstract	
A	PATENT ABSTRACTS OF JAPAN vol. 0180, no. 46 (C-1157), 25 January 1994 (1994-01-25) & JP 5 270992 A (DAISO CO LTD), 19 October 1993 (1993-10-19) abstract	
A	PATENT ABSTRACTS OF JAPAN vol. 0174, no. 52 (C-1099), 19 August 1993 (1993-08-19) & JP 5 105593 A (HITACHI METALS LTD), 27 April 1993 (1993-04-27) abstract	
A	EP 0 824 217 A (NIPPON TELEGRAPH & TELEPHONE) 18 February 1998 (1998-02-18)	
A	PATENT ABSTRACTS OF JAPAN vol. 0174, no. 52 (C-1099), 19 August 1993 (1993-08-19) & JP 5 105590 A (HITACHI METALS LTD), 27 April 1993 (1993-04-27) abstract	
A	US 2002/088966 A1 (STOLL HAROLD M) 11 July 2002 (2002-07-11)	
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ZHANG Y ET AL: "Growth and properties of Zn doped lithium niobate crystal" JOURNAL OF CRYSTAL GROWTH, NORTH-HOLLAND PUBLISHING, AMSTERDAM, NL, vol. 233, no. 3, December 2001 (2001-12), pages 537-540, XP004305554 ISSN: 0022-0248</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/04191

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